Name: Period: Date:

**Mitosis & Meiosis Worksheet**

1. What is the original cell called?

2. What is name given to the new cells created?

3. Describe three ways that cells can reproduce.

4. Define mitosis.

5. What is the difference between DNA and chromosomes?

6. What is the centromere?

7. Why is interphase not considered a stage of mitosis?

8. List the 4 stages of mitosis.

9. What is a cell plate?

10. Define meiosis.

11. Arrange the following in order from smallest to largest: DNA, genes, nucleus, cell, chromosomes.

12. Compare mitosis to meiosis.

Mitosis Meiosis

**Cancer Statistics:**

* 1in 3 Americans will develop cancer; of those 1 in 4 will die from cancer.
* Currently 10.3 million Americans have cancer.
* Men have a 50% chance of developing cancer whereas women have only a 33% chance.
* Smokers are 23-24 times more likely to develop cancer than nonsmokers.
* Women with breast cancer in their genetics are 2 times more likely to develop cancer.
* Obesity severely increases the chances of cancer.
* Cancer is the 2nd leading cause of death in the United States behind heart disease.

**Flipbook Requirements:**

1. Picture drawn for each oval (30 pts.)
   1. 2 pictures for interphase
   2. 3 pictures for each: prophase, metaphase, anaphase, telophase
   3. 1 picture for cytokinesis
2. Picture labeled with phase (5 pts.)
3. Picture labeled with explanation of phase (30 pts.)
4. Pictures in color (15 pts.)

Total: \_\_\_\_\_\_\_\_\_/80 pts.